

WO 99/12376

PCT/FI98/00654

9

CLAIMS

1. Procedure for setting up a call in a wire-
less local loop, which is based on mobile communica-
tion technology and in which terminal units (TU) are
5 connected via a radio link to an access node (AN) and
from the access node to a wired network local exchange
(LE) via a standard V5 interface and in which checking
functions consistent with a mobile communication
specification are carried out, characterised
10 in that, to accelerate call setup, checking functions
are carried out during voice mode connection of the
call.

2. Procedure as defined in claim 1, char-
acterised in that subscriber terminal units (TU)
15 are connected to the access node via a radio link con-
sistent with the GSM specification; and that checking
functions are carried out, said functions comprising
change of the subscriber identity code (TMSI realloca-
tion), verification of the authenticity of the sub-
20 scriber (authentication) and/or verification of the
subscriber's equipment identity code (IMEI check).

3. Procedure as defined in claim 2, char-
acterised in that the change of the subscriber
identity code is a TMSI reallocation consistent with
25 the GSM 04.08 4.3.1. standard.

4. Procedure as defined in claim 2 ~~or 3~~,
characterised in that the verification of
subscriber authenticity is an authentication consis-
tent with the GSM 04.08. 4.3.2 standard.

5. Procedure as defined ^{claim 2} ~~in any one of claims~~
~~2-4~~, characterised in that the verifica-
tion of the subscriber's equipment identity code is an
IMEI check consistent with the GSM 04.08. 4.3.3 stan-
dard.

6. Procedure as defined ~~in any one of claims~~
1 ~~-5~~, characterised in that the V5 inter-

Sub
B1

a

a

a

WO 99/12376

PCT/F198/00654

10

face is a V5.2 interface consistent with the ETS 300 347-1 standard.

7. Procedure as defined ~~in any one of claims~~
1 — 5, characterised in that the V5 inter-
5 face is a V5.1 interface consistent with the ETS 300 324-1 standard.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100